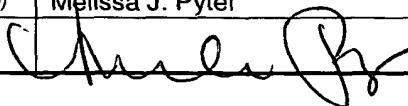


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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		<b>Attorney Docket No.</b> PF400D1C1D1 <b>First Inventor</b> Jian Ni <b>Title</b> Human IRAK-2 <b>Express Mail Label No.</b>	
<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>		<b>ADDRESS TO:</b> MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)  2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.  3. <input checked="" type="checkbox"/> Specification <span style="border: 1px solid black; padding: 2px;">[Total Pages 35]</span>  <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <span style="border: 1px solid black; padding: 2px;">[Total Sheets 17]</span>  5. Oath or Declaration <span style="border: 1px solid black; padding: 2px;">[Total Sheets 6]</span> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)           <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ul> </li> </ul> 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 [3 Pages Total]		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. Specification Sequence Listing on:           <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input checked="" type="checkbox"/> Paper</li> </ul> </li> <li>c. <input checked="" type="checkbox"/> Statements verifying identity of above copies</li> </ul>	
<b>ACCOMPANYING APPLICATIONS PARTS</b>			
9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))  10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <span style="border: 1px solid black; padding: 2px;">[when there is an assignee]</span> <input type="checkbox"/> Power of Attorney  11. <input type="checkbox"/> English Translation Document (if applicable)  12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations  13. <input type="checkbox"/> Preliminary Amendment  14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)  16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.  17. <input checked="" type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;">Request Under 37 C.F.R. 1.821(e)</span>			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:			
<input type="checkbox"/> Continuation <input checked="" type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: <span style="border: 1px solid black; padding: 2px;">09/773,753</span> <small>Prior application information: Examiner <span style="border: 1px solid black; padding: 2px;">Gary B. Nickol</span> Art Unit: <span style="border: 1px solid black; padding: 2px;">1642</span></small>			
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.			
<b>19. CORRESPONDENCE ADDRESS</b>			
<input checked="" type="checkbox"/> Customer Number: <span style="border: 1px solid black; padding: 2px;">22195</span> OR <input type="checkbox"/> Correspondence address below			
Name <span style="border: 1px solid black; padding: 2px;">[ ]</span>			
Address <span style="border: 1px solid black; padding: 2px;">[ ]</span>			
City <span style="border: 1px solid black; padding: 2px;">[ ]</span>		State <span style="border: 1px solid black; padding: 2px;">[ ]</span>	
Country <span style="border: 1px solid black; padding: 2px;">[ ]</span>		Telephone <span style="border: 1px solid black; padding: 2px;">[ ]</span>	
Name (Print/Type) <span style="border: 1px solid black; padding: 2px;">Melissa J. Pytel</span>		Registration No. (Attorney/Agent) <span style="border: 1px solid black; padding: 2px;">41,512</span>	
Signature 		Date <span style="border: 1px solid black; padding: 2px;">9/9/03</span>	

03970 U.S. PTO  
 10/657146  
 09/09/03

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# FEET TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ 750.00)**Complete if Known**

Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Jian Ni
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	PF400D1C1D1

**METHOD OF PAYMENT** (check all that apply)

Check  Credit Card  Money Order  Other  None  
 Deposit Account

Deposit Account Number 08-3425

Deposit Account Name Human Genome Sciences, Inc.

The Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1051	130	2051	65 Surcharge - late filing fee or oath
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet.
1053	130	1053	130 Non-English specification
1812	2,520	1812	2,520 For filing a request for ex parte reexamination
1804	920*	1804	920* Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action
1251	110	2251	55 Extension for reply within first month
1252	410	2252	205 Extension for reply within second month
1253	930	2253	465 Extension for reply within third month
1254	1,450	2254	725 Extension for reply within fourth month
1255	1,970	2255	985 Extension for reply within fifth month
1401	320	2401	160 Notice of Appeal
1402	320	2402	160 Filing a brief in support of an appeal
1403	280	2403	140 Request for oral hearing
1451	1,510	1451	1,510 Petition to institute a public use proceeding
1452	110	2452	55 Petition to revive - unavoidable
1453	1,300	2453	650 Petition to revive - unintentional
1501	1,300	2501	650 Utility issue fee (or reissue)
1502	470	2502	235 Design issue fee
1503	630	2503	315 Plant issue fee
1460	130	1460	130 Petitions to the Commissioner
1807	50	1807	50 Processing fee under 37 CFR 1.17(q)
1806	180	1806	180 Submission of Information Disclosure Stmt
8021	40	8021	40 Recording each patent assignment per property (times number of properties)
1809	750	2809	375 Filing a submission after final rejection (37 CFR 1.129(a))
1810	750	2810	375 For each additional invention to be examined (37 CFR 1.129(b))
1801	750	2801	375 Request for Continued Examination (RCE)
1802	900	1802	900 Request for expedited examination of a design application
Other fee (specify)			

SUBTOTAL (1) (\$ 750.00)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	15	-20** =	<input type="text"/>	<input type="text"/>	=	0.00
Independent Claims	2	-3** =	<input type="text"/>	<input type="text"/>	=	0.00
Multiple Dependent						

**Large Entity** **Small Entity**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00)

\*\* or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 0.00)

**SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)	Melissa J. Pytel	Registration No. (Attorney/Agent)	41,512	Telephone	(301) 610-5764
Signature				Date	01/19/03